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Application No.: 09/762,497

Attorney Docket No.: FUK-81

Amendment Dated October 8, 2003

Supplemental Reply to Office Action dated: April 17, 2003

REMARKS

Claims 1-7 are pending and rejected in this application.

Claims 3 and 4 are amended hereby. Applicants submit that no new matter has been added therein. Specifically, claims 3 and 4 have been amended so as to be more consistent with the present specification.

5 The Examiner is thanked for the courtesies extended during the brief
teleconference of August 12, 2003. In that phone conversation, it was confirmed that
the response mailed July 16, 2003, had not yet been examined on the merits. Further,
it was indicated to the Examiner that this current supplemental amendment would be
forthcoming. It was indicated that this amendment would just clarify claims 3 and 4 so
10 as to make them consistent with the process described in the specification (i.e., the
reference to etching of the substrate would be removed). Additionally, the Examiner
was assured that the changes to claims 3 and 4 would not affect the portion of the claim
language already agreed upon as distinguishing over the prior art of record.

15 Applicants submit that claims 1-4, when considered in light of the current
supplemental response and the response mailed July 16, 2003, are now both in
allowable form and in condition for allowance, the allowance of which is hereby
respectfully requested.

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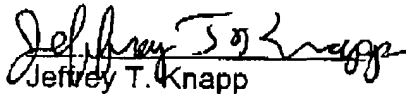
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If the Examiner has any questions or comments that would speed prosecution of this case, the Examiner is invited to call the undersigned at 260/485-6001.

Respectfully submitted,


Jeffrey T. Knapp
Registration No. 45,384

JTK/mdc

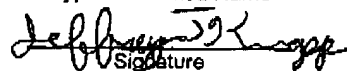
Encs: Amendments to the Claims
(3 Sheets; pp. 4-6)
Explanatory Cover Sheet Page 1

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CERTIFICATE OF FACSIMILE

I hereby certify that this correspondence is being deposited with the U.S. Patent and trademark Office at fax no.: 703-308-7721, on October 8, 2003.


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TOTAL PAGES: 7 (Including Fax Transmittal Letter)

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Attorney Docket No.: FUK-81

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AMENDMENTS TO THE CLAIMS

1 (previously presented): A polarizer comprising:

a multilayered structure along a z-axis two or more transparent layers, at least two said layers having different refractive indices relative to one another,

5 each said layer having a shape, each said layer being a unit of lamination, the shape of each said layer at least one of having a regularly undulated structure parallel to a first plane; being uniform parallel to a second plane, said second plane being orthogonal to said first plane; and having a regularly or non-
10 regularly undulated structure which has a larger pitch than parallel to said first plane,

the lamination along the z-axis repeating the shape and being configured for acting against the light such that the light thereby has a component whose incidence direction is not zero
15 from the z-axis in the three-dimensional orthogonal coordinates (x, y, z) associated with the polarizer.

2 (previously presented): A polarizer according to claim 1, wherein the polarizer has a first refractive medium layer containing at least one of Si and TiO₂ as a main component and a second refractive medium layer containing SiO₂ as a main
5 component.

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AMENDMENTS TO THE CLAIMS

3 (currently amended): A method for producing a polarizer comprising the steps of:

laminating on a substrate a first refractive medium layer and a second refractive medium layer with a regularly repeating shape, said laminating performed by a film-forming method at least partly including a step of dry etching said first refractive medium layer and said second refractive medium layer,
[[a]] said substrate upon which said laminating is to occur, said etching of said substrate producing having at least one of a single set of regularly arranged, coextending grooves, a single set of regularly arranged, coextending projections, a single set of thin and long projections, and a single set of thin and long grooves.

4 (currently amended): A method of producing a polarizer, comprising the steps of:

laminating on a substrate a first refractive medium layer which contains at least one of Si and TiO₂ as a main component and a second refractive medium layer which contains SiO₂ as a main component with a regularly repeating shape, said laminating performed by a film-forming method at least partly including a step of dry etching said first refractive medium layer and said

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AMENDMENTS TO THE CLAIMS

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10 *concl'd*

~~second refractive medium layer, [[a]] said substrate upon which~~
~~said laminating is to occur, said etching of said substrate~~
~~producing having~~ at least one of a single set of regularly
arranged, coextending grooves, a single set of regularly
arranged, coextending projections, a single set of thin and long
projections, and a single set of thin and long grooves.

5 (previously presented): A polarizer according to claim 1,
wherein the shape of layers at least one of has a regularly
undulated structure along the x-axis and is uniform along a y-
axis.

6 (previously presented): A polarizer according to claim 1,
wherein said first refractive medium layer has a first index of
refraction, said second refractive medium layer has a second
index of refraction, said first index of refraction being greater
5 than said second index of refraction.

7 (previously presented): A method for producing a polarizer
according to claim 3, wherein said substrate has at least one of
said thin and long projections and said thin and long grooves.